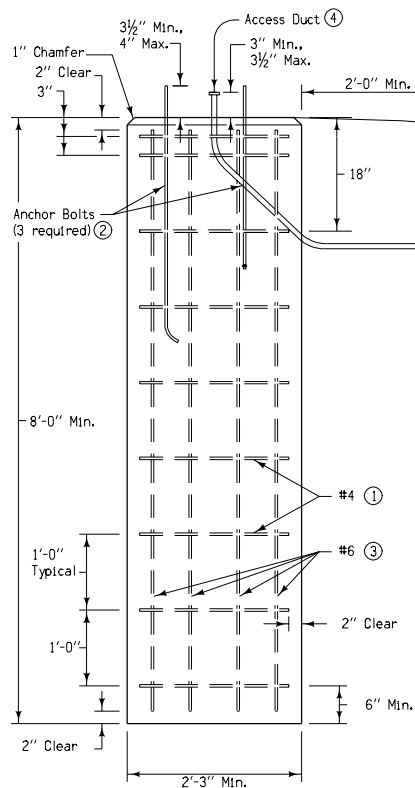
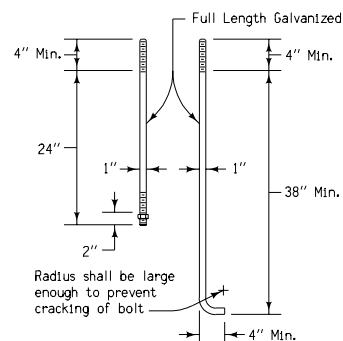


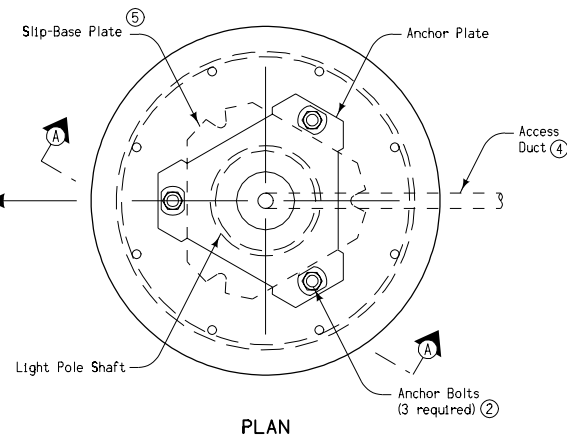
PLAN



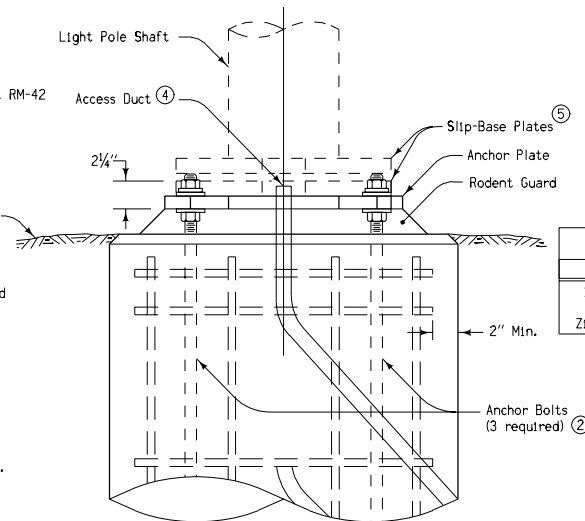
ELEVATION
DETAILS OF CONCRETE FOOTING



ANCHOR BOLT DETAILS



PLAN



ELEVATION AT A-A
DETAILS OF TYPICAL INSTALLATION

GENERAL NOTES:

The details indicated hereon are for the construction of a concrete footing for Slip-Base Light Poles with a RM-42 Handhole.

Diameter of footing is determined by the Anchor Bolt Circle (refer to RM-46, "Details of Slip-Base for Light Poles") required for the diameter of the pole being installed. Where dimensional requirements indicated cannot be met with normal footings, it shall be enlarged as necessary to accommodate the required diameter at the Contractor's expense.

R-1 Radius of the outside of the footing shall be 1'-1 1/2" minimum unless anchor bolt circle requires a larger radius.

R-2 Radius of the reinforcing hoop shall be a maximum of 2" less than R-1 and a minimum of 1" greater than R-3.

R-3 Radius of the anchor bolt circle

A rodent guard shall be placed between the concrete footing and the anchor plate, see Materials IM 443.01

All excavations shall be disposed in the area adjacent to the footing and shaped to the natural ground contour unless otherwise directed by the Engineer.

Open ends of conduit shall be appropriately capped during construction to prevent infiltration of foreign material. After the cable is installed, the upper end of the ducts shall be sealed against entry of moisture by a method approved by the Engineer.

Method of Measurement and Basis of Payment shall be in accordance with Section 2523 of the current Standard and Supplemental Specifications.

- ① Horizontal reinforcing hoops shall be #4 bars lapped a minimum of 1'-0" as indicated. Hoops may be welded to vertical bars.
- ② Either type of bolt shown may be used at the option of the Contractor.
- ③ This bar is to be a #7 when the mounting height is greater than 44'.
- ④ 2" Nominal Outside Diameter.
- ⑤ For details of Slip-Base see Standard Road Plan RM-46.

HARDWARE CLASSIFICATION

Bolt Size	Bolt Grade	Nuts	Washers	Galvanizing
1" Anchor Bolts Zinc Coated	ASTM F-1554 Grade 105 Zinc Coated	ASTM A-563-DH Zinc Coated	ASTM F-436 Zinc Coated	ASTM A-153 Class C

 Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN RM-47

REVISION: Removed ASTM A 687.

REVISION NO.

3

REVISION DATE

10-02-01

William J. Allen
APPROVED BY DESIGN/METHODS ENGINEER

DETAILS OF CONCRETE FOOTING
FOR SLIP-BASE LIGHT POLES
(WITH RM-42 HANDHOLE)